

**KENWOOD®**  
HI/FI STEREO COMPONENTS

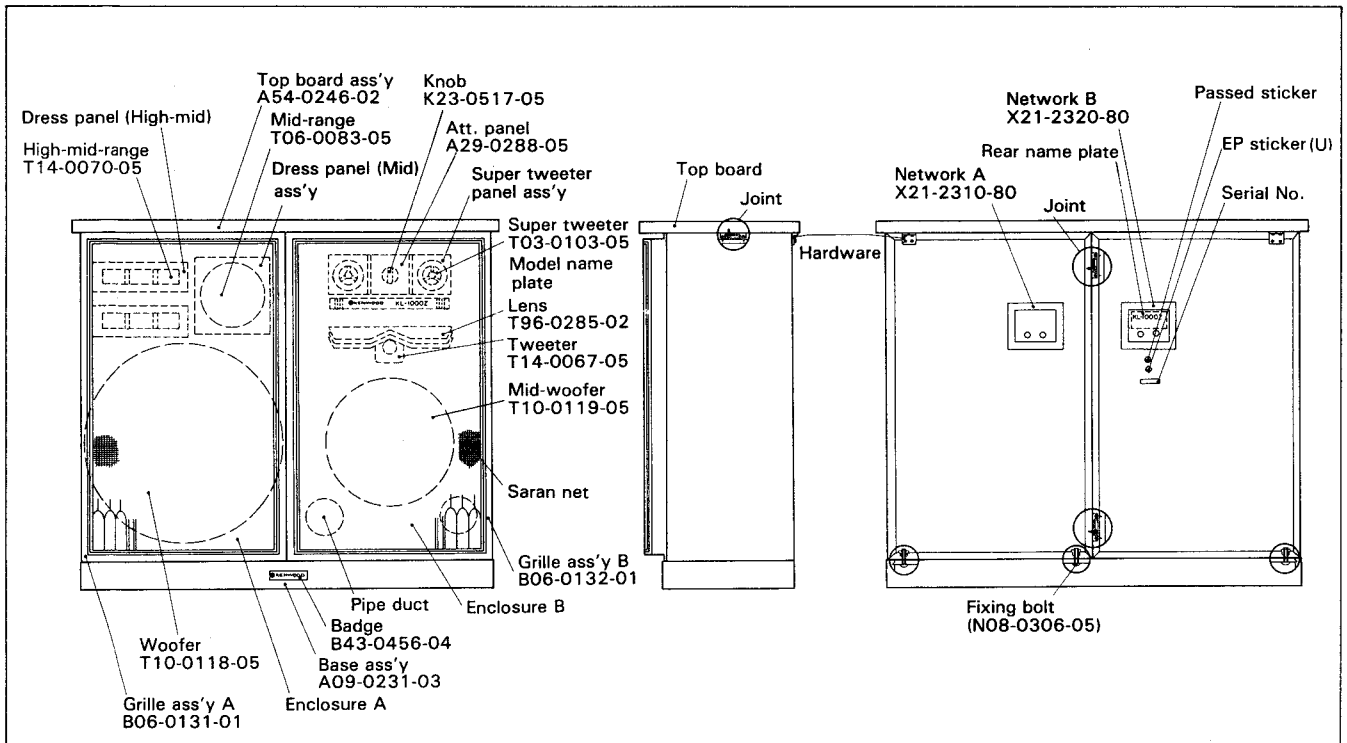
# SERVICE MANUAL

**KL-10000Z**



**SPEAKER SYSTEM**

## EXTERNAL VIEW / REPAIR / DATA



### ABSORBER

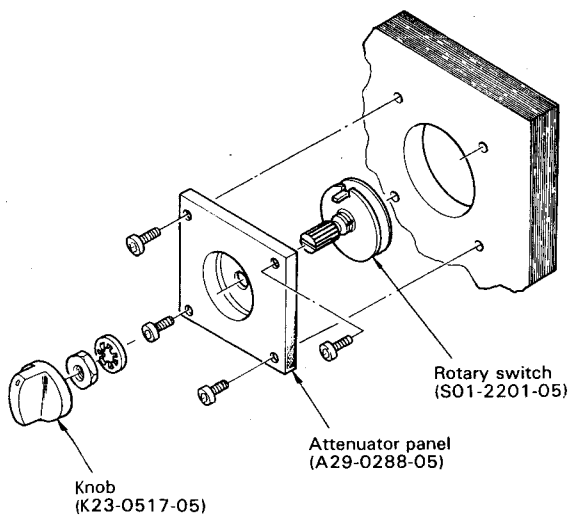
The sound quality can be changed by the positioning of absorbers. After repair or check, these absorbers must be returned to their original positions.

### ATTENUATOR PLATE

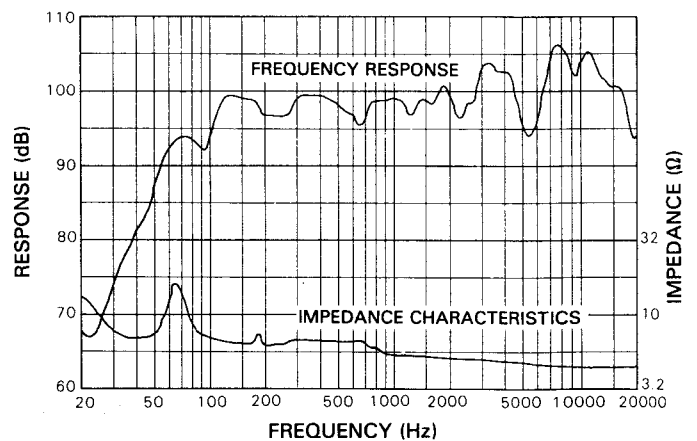
The attenuator panel is fixed by the 4 wood screws.

### KNOBS

When replacing the knobs, pull it off.



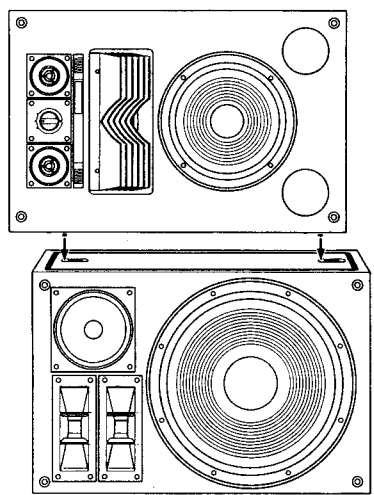
### FREQUENCY RESPONSE AND IMPEDANCE CHARACTERISTICS



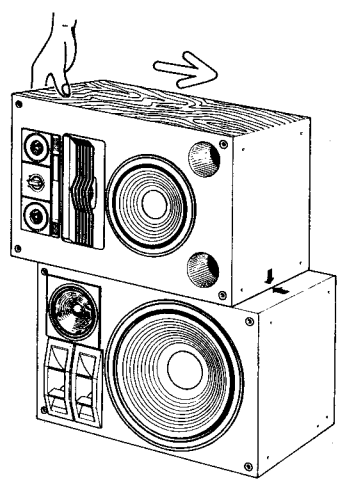
# ASSEMBLING ORDER

## 1. Mounting the speaker boxes

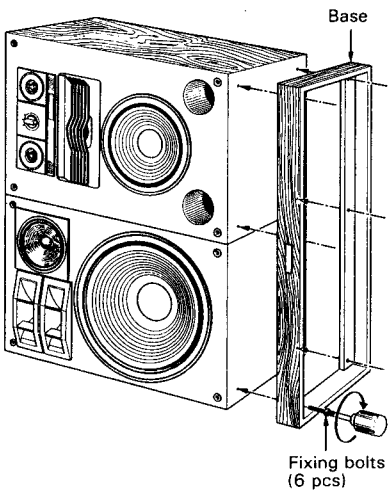
①



②

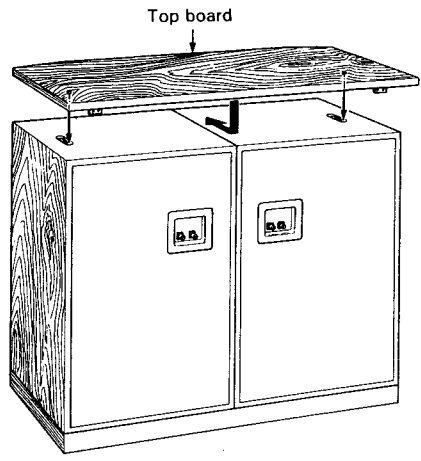


## 2. Mounting the base

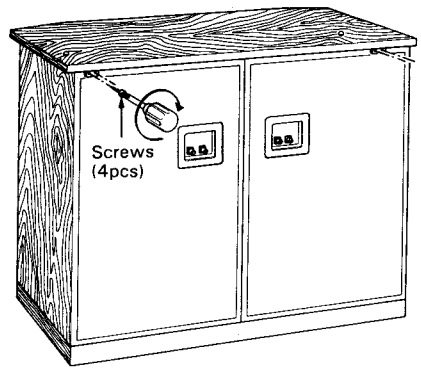


## 3. Mounting the top board

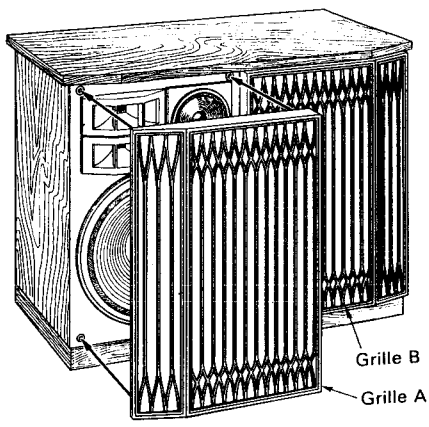
①



②



## 4. Mounting the grilles

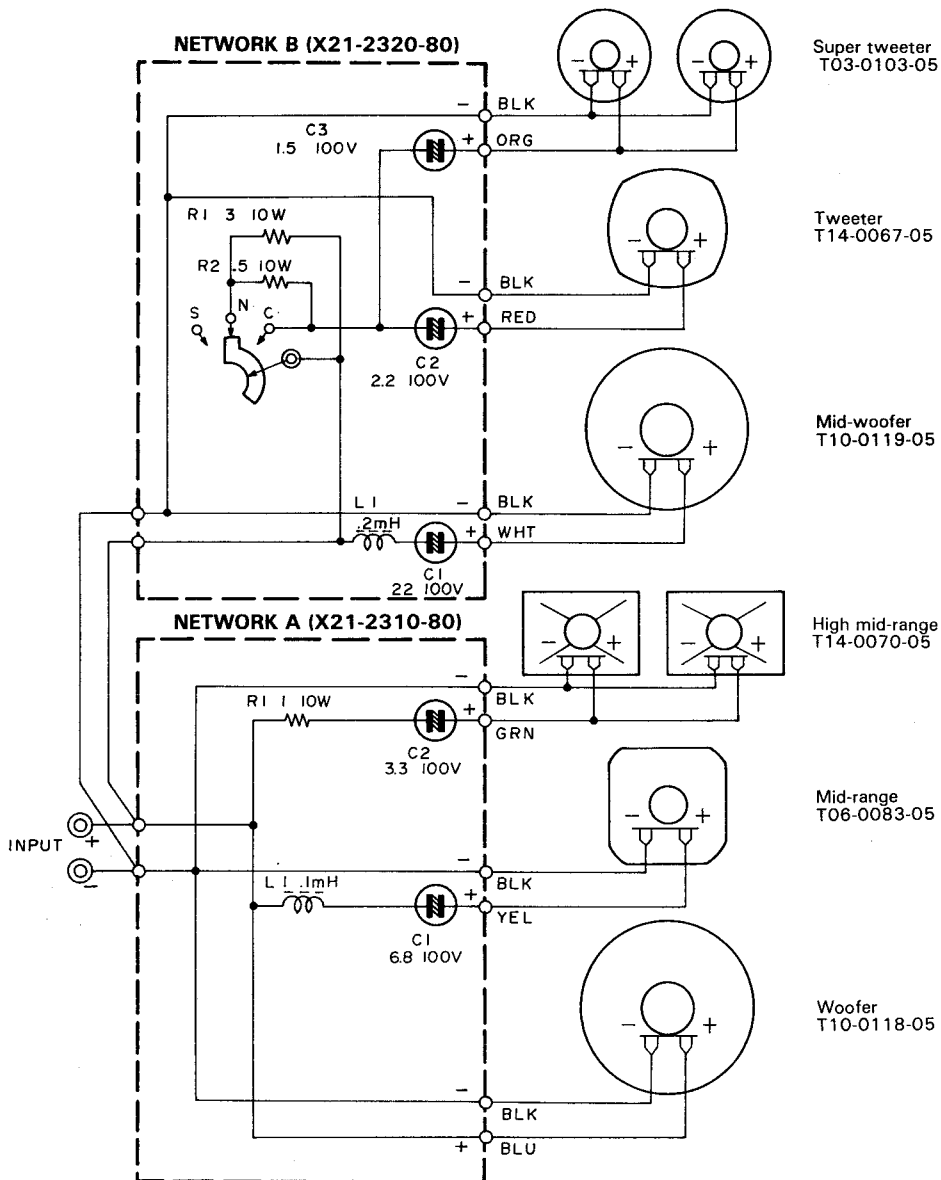


## SPEAKERS UNIT SPECIFICATIONS / SCHEMATIC DIAGRAM

### SPEAKERS UNIT SPECIFICATIONS

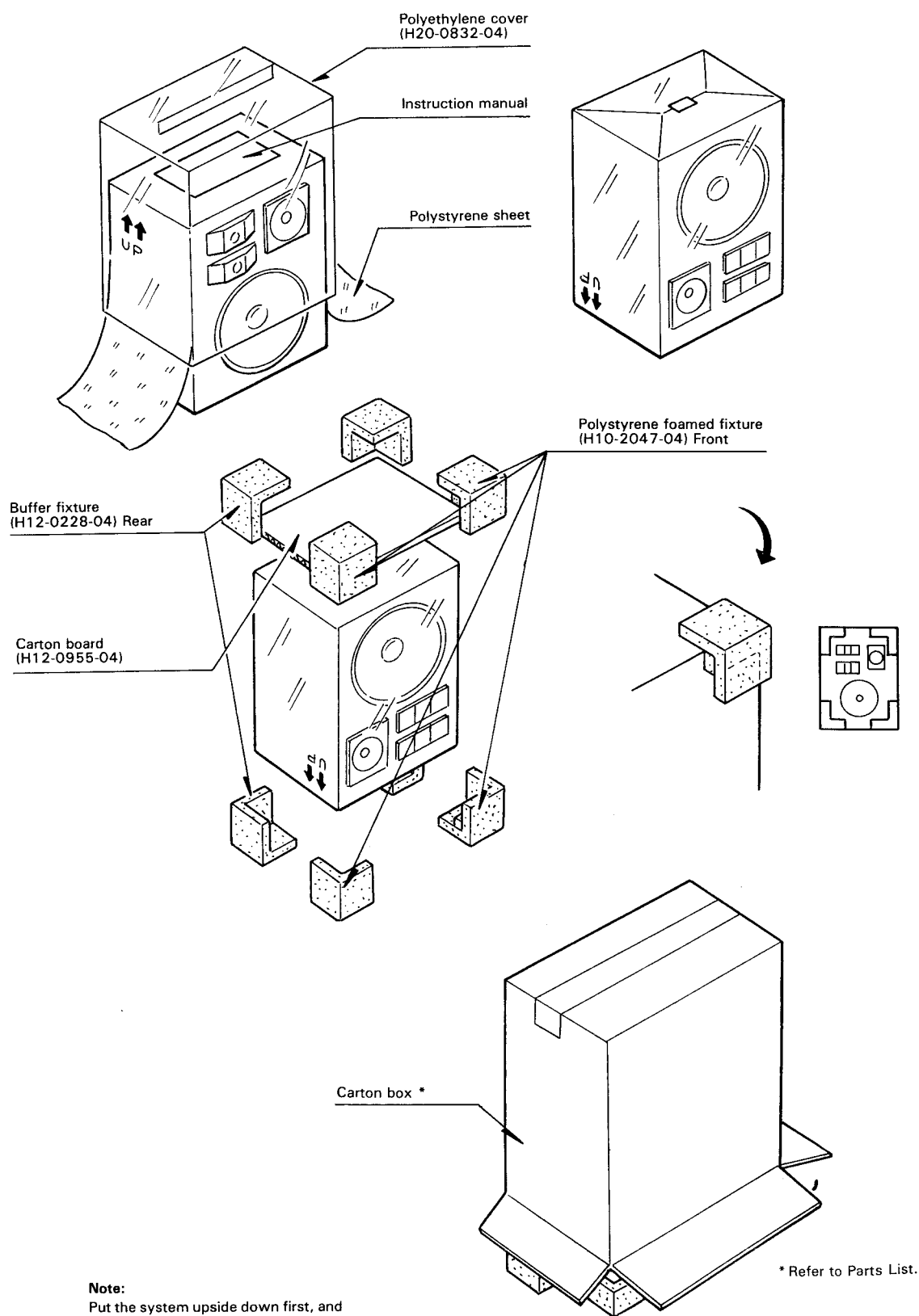
	Woofer	Mid-Woofer	Mid-Range	High Mid-Range	Tweeter	Super Tweeter
Type	Cone	Cone	Cone	Horn	Horn	Cone
Power Bandwidth (Hz)	43Hz ~ 3k	95Hz ~ 5k	550Hz ~ 7k	4k ~ 17k	4k ~ 16k	10k ~ 20k
Sound Pressure Level (1m) dB/W	95.0	95.0	95.5	97.0	99.5	88.0
Impedance	5.2Ω at 150Hz	6Ω at 250Hz	8.3Ω at 900Hz	16Ω at 4kHz	8Ω at 4kHz	13Ω at 10kHz
Magnetic Flux Density (GAUSS)	9700	9300	10400	9000	9000	5500
fo (Hz)	43	—	—	—	—	—

### SCHEMATIC DIAGRAM



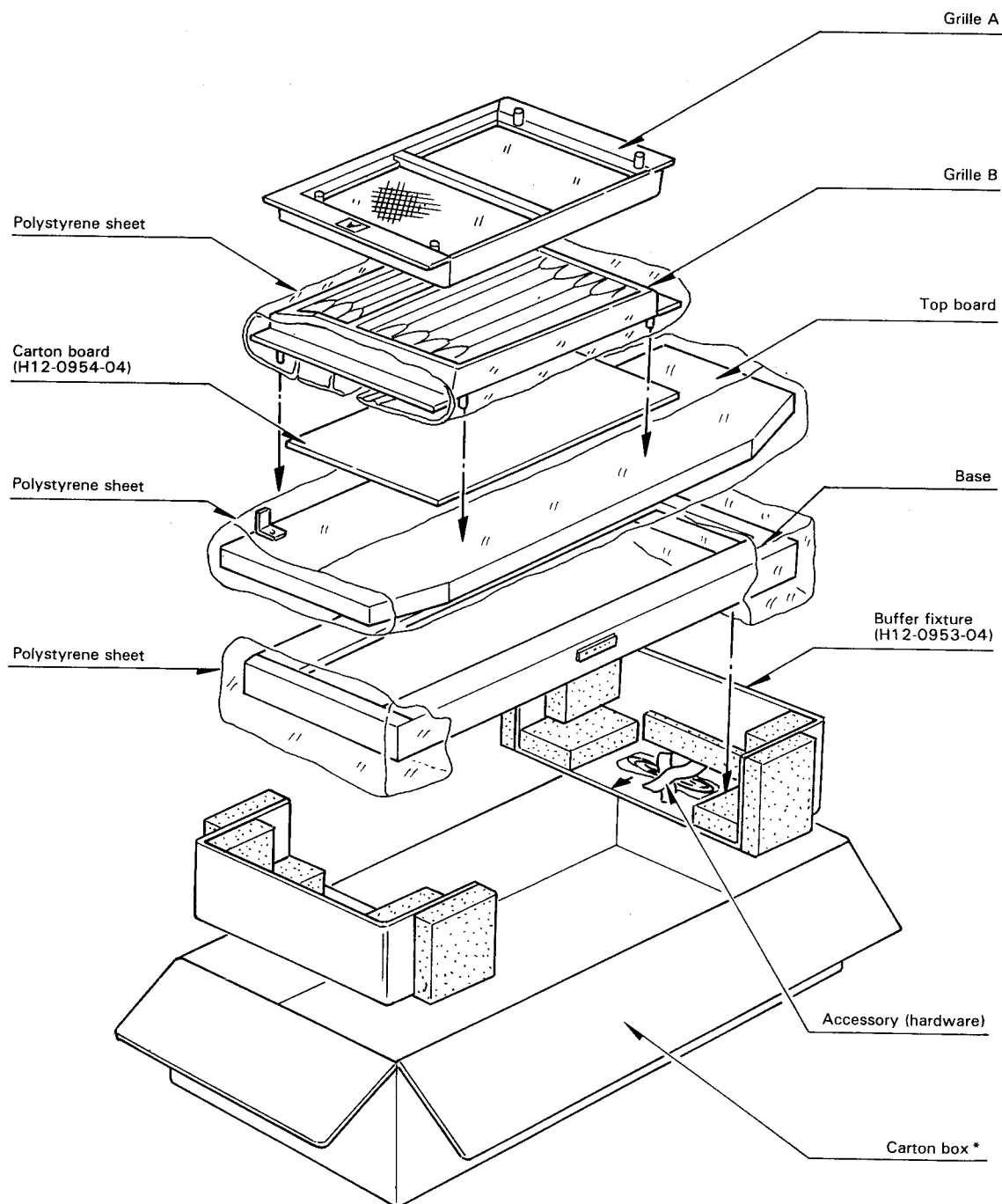
## PACKING (1)

### UNIT



## PACKING (2)

### GRILLE/BASE



\* Refer to Parts list.

# PARTS LIST

## KL-10000Z (A)

Ref. No.	Parts No.	Description	Re- marks
—	B50-3591-00	Instruction manual U, UE, H, M	☆
—	B50-3593-00	Instruction manual E	☆
—	B50-3594-00	Instruction manual M	☆
—	B50-3600-00	Instruction manual M	☆
—	B46-0062-20	Warranty card U, UE, H	
—	B46-0063-13	Warranty card U	
—	J19-0988-04	Grille holder	
—	H01-3705-04	Carton box U	☆
—	H01-3706-04	Carton box UE	☆
—	H01-3707-04	Carton box H	☆
—	H01-3708-04	Carton box E	☆
—	H01-3709-04	Carton box M	☆
—	H12-0228-04	Buffer fixture	
—	H20-0832-04	Polyethylene cover	
—	T06-0083-05	Mid range	☆
—	T10-0118-05	Woofer	☆
—	T14-0070-05	High mid range	☆
—	X21-2310-80	Network (A)	☆

## NETWORK (A) (X21-2310-80)

Ref. No.	Parts No.	Description	Re- marks
C1	C90-0635-05	Non-pole electrolytic 6.8μF 100WV	
C2	C90-0633-05	Non-pole electrolytic 3.3μF 100WV	
—	E29-0292-03	Terminal ass'y	☆
L1	L38-0138-05	Coil (0.1mH)	☆
R1	R44-9701-06	Wire wound 1Ω ± 10% 10W	

## NETWORK (B) (X21-2320-80)

Ref. No.	Parts No.	Description	Re- marks
C1	C90-0638-05	Non-pole electrolytic 22μF 100WV	
C2	C90-0631-05	Non-pole electrolytic 2.2μF 100WV	
C3	C90-0608-05	Non-pole electrolytic 1.5μF 100WV	☆
R1	R44-9703-06	Wire wound 3Ω ± 10% 10W	
R2	R44-9705-86	Wire wound 0.5Ω ± 10% 10W	☆
—	E29-0269-05	Terminal	
L1	L38-0133-05	Coil (0.2mH)	
—	S01-2201-05	Rotary switch	

## KL-10000Z (B)

Ref. No.	Parts No.	Description	Re- marks
—	A29-0288-05	Attenuator panel	
—	H01-3710-04	Carton box U	☆
—	H01-3711-04	Carton box UE	☆
—	H01-3712-04	Carton box H	☆
—	H01-3713-04	Carton box E	☆
—	H01-3714-04	Carton box M	☆
—	H12-0288-04	Buffer fixture	
—	H20-0832-04	Polyethylene cover	
—	J19-0988-04	Grille holder	
—	K23-0517-05	Knob	
—	T03-0103-05	Super tweeter	☆
—	T10-0119-05	Mid-woofer	☆
—	T14-0067-05	Tweeter	
—	X21-2320-80	Network B	☆

## PARTS LIST

Region	Code
U.S.A. ....	K
Canada ....	P
PX(Far East) ....	U
PX(Europe) ....	UE
Australia ....	X
South Africa ....	S
England ....	T
Europe and Scandinavia ....	E
Other Areas ....	M
Audio Club ....	H

There are no plans for producing units of K, P, X, T, L and S types.

☆ New parts

## KL-10000Z (C)

Ref. No.	Parts No.	Description	Re- marks
—	B06-0131-01	Grille ass'y A	☆
—	B06-0132-01	Grille ass'y B	☆
—	E30-1040-05	Speaker cord	☆
—	H01-3715-04	Carton box U	☆
—	H01-3716-04	Carton box UE	☆
—	H01-3717-04	Carton box H	☆
—	H01-3718-04	Carton box E	☆
—	H01-3719-04	Carton box M	☆
—	N99-0607-05	Screw set	☆

**KL-10000Z**

## SPECIFICATIONS

System .....	6-Way, 8-Speaker System
<b>Mounted Drivers</b>	
Low Frequency Driver ...	406 mm (16") Cone Type × 1
Mid-Bass Range Driver ..	250 mm (10") Cone Type × 1
Mid-Range Driver .....	160 mm (6-1/2") Cone Type × 1
<b>Mid-High Range Drivers .....</b>	
Exponential Horn Type with Diffuser × 2	
High Frequency Driver ..	Horn Type with Acoustic Lens × 1
<b>Super High Frequency Drivers .....</b>	
30 mm (1-1/4") Cone Type × 2	
Enclosure .....	Bass-Reflex Type
Peak Input Power .....	400 Watts
Nominal Input Power .....	200 Watts
Sensitivity .....	99 dB/W at 1 m
<b>Frequency Response .....</b>	
16 Hz to 25,000 Hz	
<b>Crossover Frequencies .....</b>	
700 Hz, 2,000 Hz, 5,000 Hz, 7,000 Hz, 15,000 Hz	
Impedance .....	8 ohms
Additional Feature .....	3-Step Acoustic Level Control (Soft-Normal-Clear)
<b>Dimensions .....</b>	
W 928 mm (36-17/32") H 765 mm (30-1/8") D 348 mm (13-11/16")	
Weight .....	41.5 kg (91.3 lbs)
Enclosure Finish .....	Top and Side are in Simulated Walnut-Grain Finish

(Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.)

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A product of  
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